



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

## NOTICE OF ACCEPTANCE (NOA)

Exeter Architectural Products  
242 West 8<sup>th</sup> Street  
Wyoming, PA 18644

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Storm Shield Hurricane Barrier 1 x 2 Wire Mesh

**APPROVAL DOCUMENT:** Drawing No. SSHB-WM, prepared by Exeter Architectural Products, titled "Storm Shield Wire Mesh Hurricane Barriers", sheets 1 through 4 of 4, with latest revision #2, dated December 12, 2012, signed and sealed by Thomas H. Maxwell Jr., P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", NOA number, and TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence submitted pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



*J Gascon*  
12/19/12

NOA No. 12-1029.02  
Expiration Date: 12/27/2017  
Approval Date: 12/27/2012  
Page 1

**Exeter Architectural Products**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS:**

1. Drawing No. SSHB-WM, prepared by Exeter Architectural Products, titled "Storm Shield Wire Mesh Hurricane Barriers", sheets 1 through 4 of 4, with latest revision #2, dated December 12, 2012, signed and sealed by Thomas H. Maxwell Jr., P.E.

**B. TESTS:**

1. Test report on TAS201-Large Missile Impact Test, TAS203-Cyclic Wind Pressure Test and TAS202-Uniform Static Air Pressure Test, prepared by Architectural Testing, Inc. Report No. B9681.01-109-18, dated 08/24/12, signed and sealed by Michael D. Stremmel, P.E.

**C. CALCULATIONS:**

1. Anchor analysis of 4x6 side hinged single & triple storm barrier, sheets 1 through 2 dated 10/24/12, signed and sealed by T. H. Maxwell, Jr., P.E.

**D. QUALITY ASSURANCE:**

1. By Miami-Dade County Department of Regulatory and Economic Resources.

**E. MATERIAL CERTIFICATION:**

None.

**F. STATEMENTS:**

1. Letter of compliance with the Florida Building Code, 2010 Edition, issued by Thomas H. Maxwell, Jr., P.E. Consulting Engineer, dated October 19, 2012, signed and sealed by Thomas H. Maxwell, Jr., P.E.



Jaime D. Gascon, P.E.

Product Control Section Supervisor

NOA No. 12-1029.02

Expiration Date: 12/27/2017

Approval Date: 12/27/2012

## GENERAL NOTES

1. THIS PRODUCT IS DESIGNED AS A HURRICANE SHUTTER
2. THESE PRODUCTS SATISFY THE FOLLOWING TESTING CRITERIA FOR LARGE MISSILE IMPACTS AND WIND LOADS IN ACCORDANCE WITH THE FOLLOWING STANDARDS:  
FLORIDA BUILDING CODE HIGH VELOCITY HURRICANE ZONE, 2010 EDITION  
(TAS 201-94, TAS 202-94, TAS 203-94)
3. EACH BARRIER SHALL HAVE A PERMANENT LABEL PLACED IN A VISIBLE LOCATION WITH THE FOLLOWING INFORMATION:

EXETER ARCHITECTURAL PRODUCTS  
STORM SHIELD NANTICOKE, PA  
MIAMI-DADE COUNTY  
PRODUCT CONTROL APPROVED  
TAS-201, TAS-202, TAS-203  
NOA# 12-1029.02

EXETER ARCHITECTURAL PRODUCTS  
STORM SHIELD NEW ORLEANS, LA  
MIAMI-DADE COUNTY  
PRODUCT CONTROL APPROVED  
TAS-201, TAS-202, TAS-203  
NOA# 12-1029.02

LABEL SIZE: 2" X 3/4"      ALTERNATE MANUFACTURING LOCATION
4. DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED BY A REGISTERED ARCHITECT OR PROFESSIONAL ENGINEER IN ACCORDANCE WITH ASCE 7-10. THE ALLOWABLE DESIGN PRESSURES FOR EACH PRODUCT TYPE (APPROVED UNDER THIS N.O.A.) ARE LISTED WITH ITS CORRESPONDING DRAWING.
5. ALL ALUMINUM PARTS ARE MADE FROM 6063 T5 SERIES ALUMINUM. THE WIRE MESH PANELS SHALL BE 12 X 12 PATTERN STAINLESS STEEL, ALL PARTS SHALL BE SUPPLIED WITH A PROTECTIVE FINISH.
6. A FASTENER SCHEDULE FOR EACH PRODUCT CAN BE FOUND ON THE INDIVIDUAL DRAWINGS.
7. BARRIER CONSTRUCTION SHALL BE IN ACCORDANCE WITH DESIGNS AND METHODS SET FORTH BY THE MANUFACTURER CONTAINED HEREIN.
8. TO ENSURE PROPER OPERATION, INSTALLATION SHALL BE PERFORMED USING METHODS AND INSTRUCTIONS SET FORTH BY THE MANUFACTURER CONTAINED WITHIN THESE DRAWINGS.
9. UNITS MUST BE ATTACHED TO CONCRETE OR STRUCTURAL COMPONENTS OF THE BUILDING. OUTER WALL COVERINGS OR DECORATIVE ATTACHMENTS THAT ARE NOT PART OF THE BUILDING STRUCTURE ARE NOT SUITABLE FOR MOUNTING.

CONSULTING ENGINEER  
THOMAS H. MAXWELL JR., P.E.  
121 N.W. 39 AVE.  
MIAMI, FLORIDA 33126  
(305) 541-7549

Board of Professional Engineers  
Exam: Mechanical-Structural 1965  
State of Florida P.E. Registration  
No. 10150  
U.S. Army Corps of Engineers:  
Civil-Structural Engineer  
Florida Power & Light Company:  
Electrical Engineer

## DRAWING INDEX

PAGE 1 OF 4 - GENERAL NOTES/INDEX

4 X 6 SIDE-HINGED 1 X 2

PAGE 2 OF 4 - 4' X 6' SIDE-HINGED 1 X 2, FACE MOUNT UNIT.

## MATERIALS & FASTENER SCHEDULE

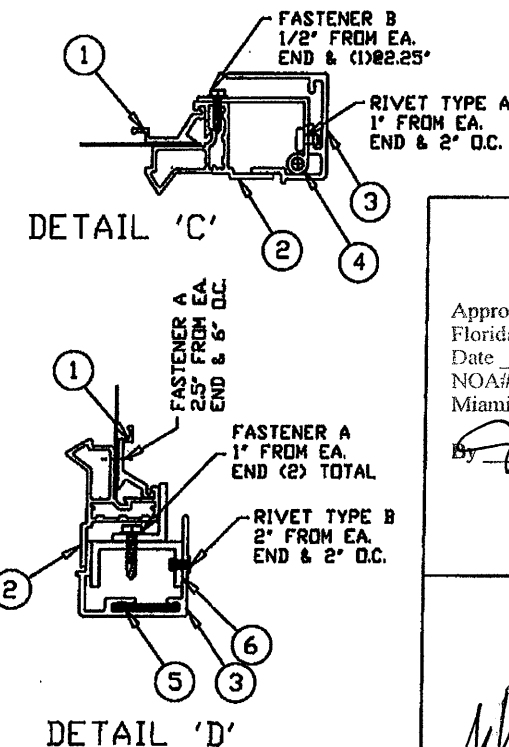
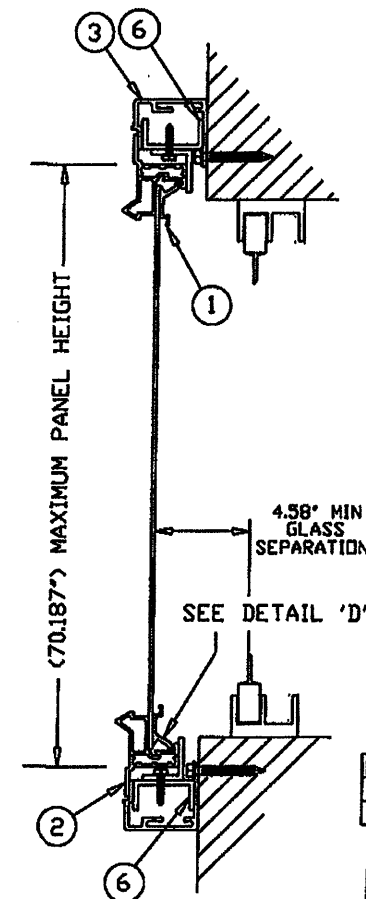
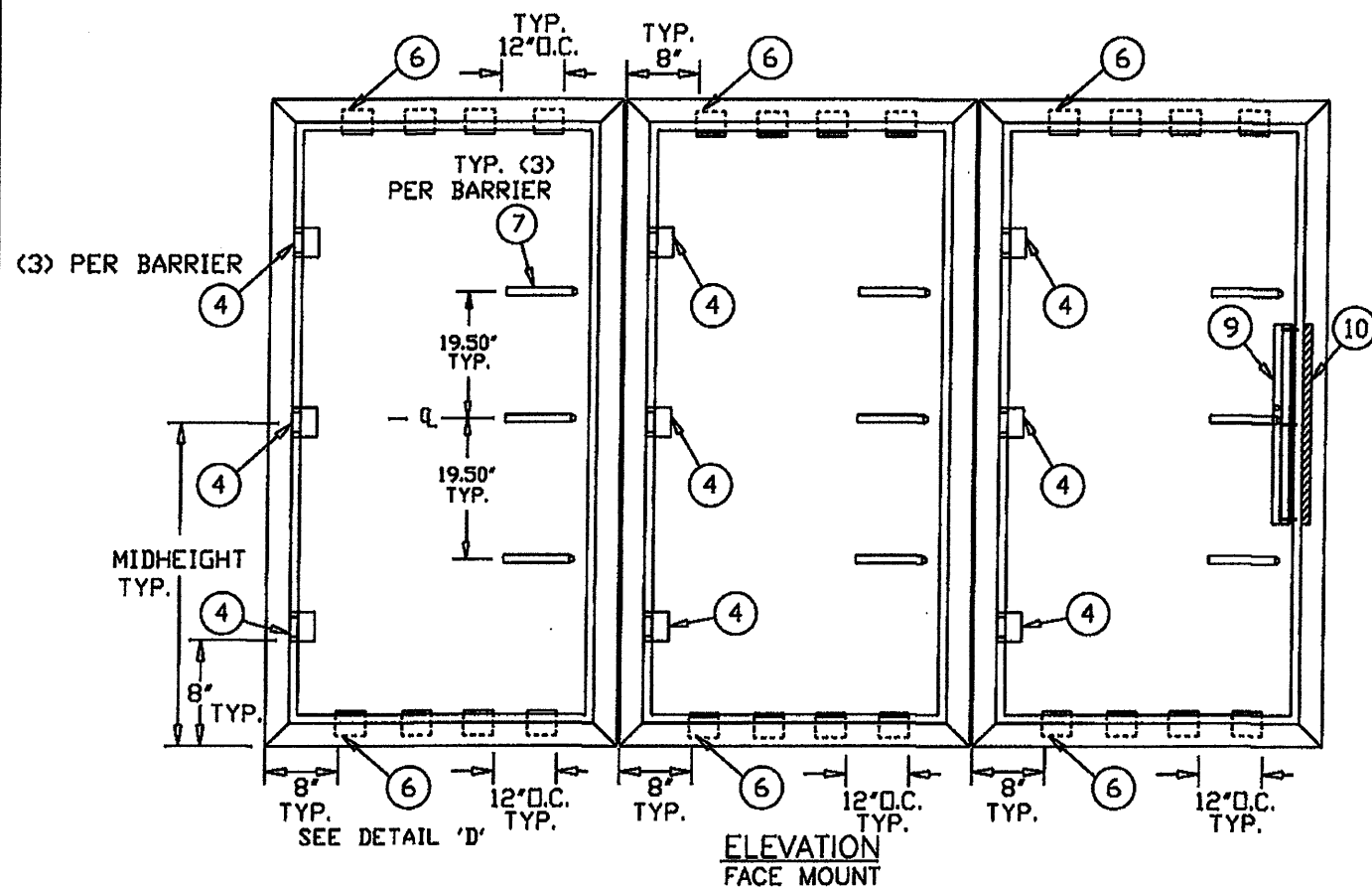
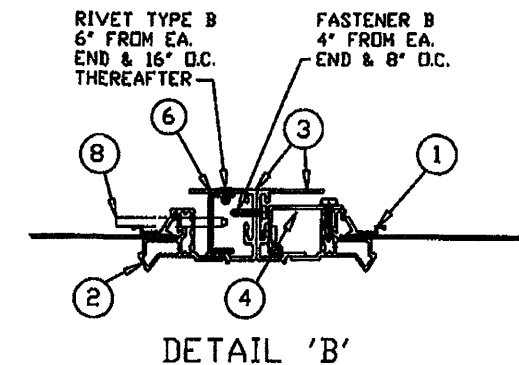
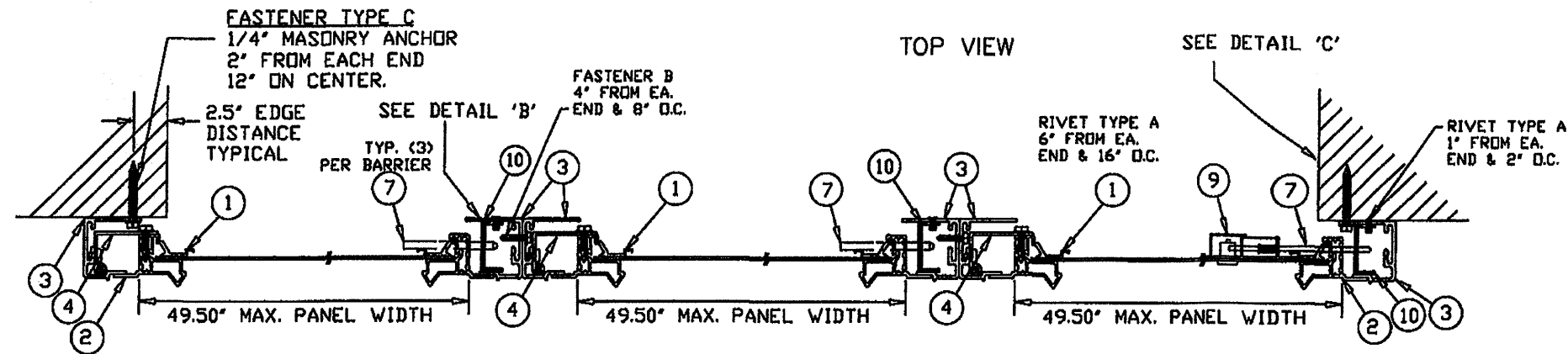
PAGE 3 OF 4 - SUBFRAME ASSEMBLY DETAILS

PAGE 4 OF 4 - COMPONENT/EXTRUSION DETAILS.

Approved as complying with the  
Florida Building Code  
Date 12/27/2012  
NOA# 12-1029.02  
Miami Dade Product Control  
By [Signature]

[Signature]  
12-12-12

TITLE/CUSTOMER	
STORM SHIELD WIRE MESH HURRICANE BARRIERS DRAWING INDEX/NOTES	
SCALE: NTS	DRAWN BY: JKUSH
DATE: 12/12/12	REVISED: 2
131 ALDEN ROAD NANTICOKE, PA 18634	
PRODUCT CONTROL CODE:	
800-972-2478 FAX (570) 693-2575	
DRAWING NO. SSHB-WM	
PAGE 1 OF 4	



NO MID HEIGHT TUBE REQUIRED

MAT. TYPE	DESIGN PRESSURE RATING	
	POS. (PSF.)	NEG. (PSF.)
WIRE MESH	53	47

#### NOTES:

- ITEM # ⑦ 1/4" X 2.63" SECURING PIN (MIN); S/S THREE SECURING PINS ON SIDE OPPOSITE HINGE SIDE.
- FASTENER TYPE A: #10 X 5/8" SS TEK SCREW
- FASTENER TYPE B: #10 X 3/4" SS TEK SCREW
- FASTENER TYPE C: 1/4" X 1 3/4" ELCO ULTRACON TAPCON WITH 1.25" MINIMUM EMBEDMENT IN FILLED CELLS. FASTENERS SPACED 2" FROM EACH END AND 12" O.C. THEREAFTER.
- UNITS LESS THAN 30" IN HEIGHT SHALL SPLIT VERTICAL SECURING PIN LOCATIONS AT THE QUARTER POINTS.
- UNITS CAN BE MOUNTED AS SINGLE BARRIER.

- RIVET TYPE A: 3/16 STAINLESS STEEL RIVET (1/16-1/8" GRIP RANGE)
- RIVET TYPE B: 3/16 ALUMINUM RIVET (1/8-1/4" GRIP RANGE)

CONSULTING ENGINEER  
THOMAS H. MAXWELL JR., P.E.  
121 N.W. 39 AVE.  
MIAMI, FLORIDA 33126  
(305) 541-7549

Board of Professional Engineers  
Exam: Mechanical-Structural; 1965  
State of Florida P.E. Registration  
No. 10150  
U.S. Army Corps of Engineers  
Civil-Structural Engineer  
Florida Power & Light Company  
Electrical Engineer

Approved as complying with the  
Florida Building Code  
Date 12/27/2012  
NOA# 12-1029-02  
Miami Dade Product Control

By *[Signature]*

*[Signature]*  
12-12-12

TITLE/CUSTOMER

DETAILS FOR STORM SHIELD WIRE MESH HURRICANE BARRIER  
4' X 6' SIDE HINGED (FACE MOUNT)

SCALE:

NTS

WWW.STORMSHIELD.NET

DRAWN BY:

JKUSH

DATE:

12/12/12

REVISED

2

131 ALDEN ROAD  
NANTICOCKE, PA 18634



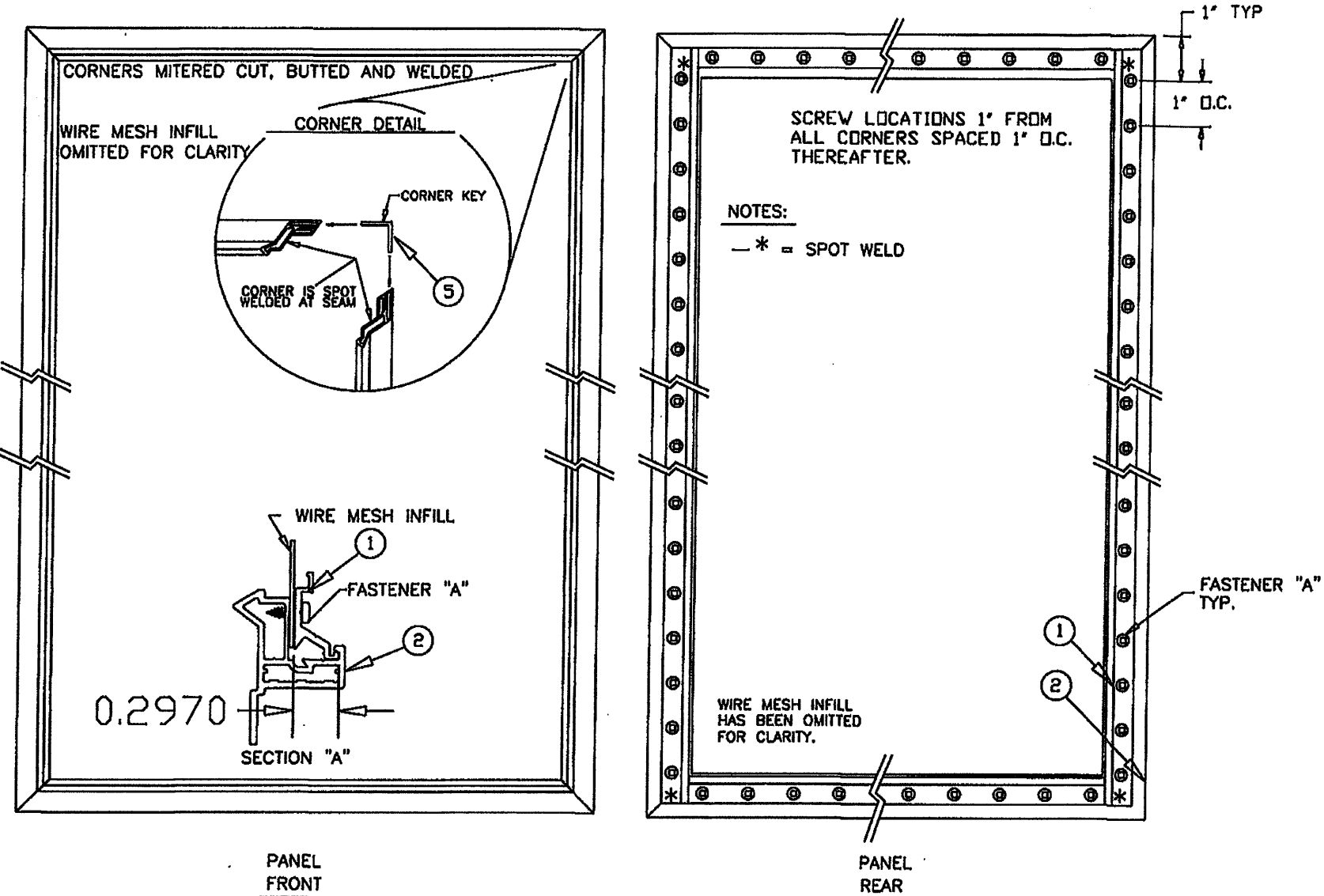
800-972-2478  
FAX (570) 693-2575

PRODUCT CONTROL CODE:

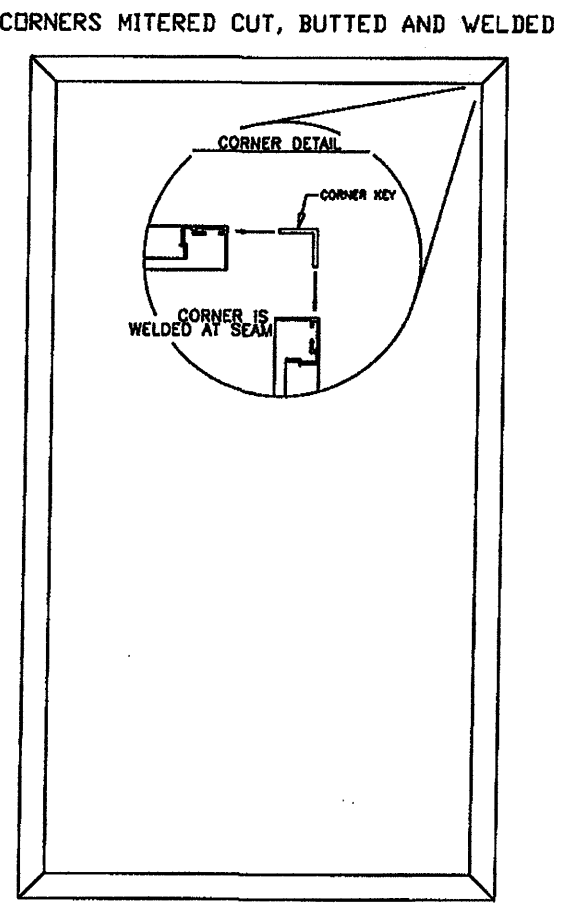
DRAWING NO. SSHB-WM

PAGE 2 OF 4

HURRICANE BARRIER SUBFRAME ASSEMBLY DETAILS



1 x 2 OUTER FRAME  
ASSEMBLY DETAILS

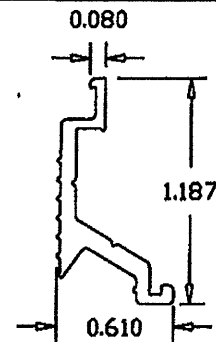


Approved as complying with the  
Florida Building Code  
Date 12/27/2012  
NOA# 12-1029.02  
Miami Dade Product Control  
By [Signature]

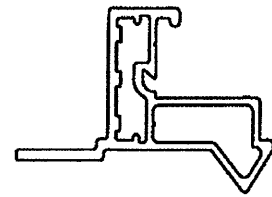
[Signature]  
12-12-12

CONSULTING ENGINEER  
THOMAS H. MAXWELL JR., P.E.  
121 N.W. 39 AVE.  
MIAMI, FLORIDA 33126  
(305) 541-7549  
Board of Professional Engineers  
Exam: Mechanical-Structural 1965  
State of Florida P.E. Registration  
No. 10150  
U.S. Army Corps of Engineers  
Civil-Structural Engineer  
Florida Power & Light Company  
Electrical Engineer

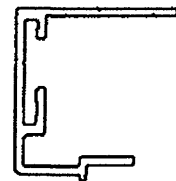
TITLE/CUSTOMER			
WIRE MESH HURRICANE BARRIER SUBFRAME ASSEMBLY DETAILS			
SCALE:	NTS	WWW.STORMSHIELD.NET	DRAWN BY: JKUSH
DATE:	12/12/12		REVISED 2
131 ALDEN ROAD NANTICOKE, PA 18634			800-972-2478 FAX (570) 693-2575
PRODUCT CONTROL CODE:		DRAWING NO. SSHB-WM	
PAGE 3 OF 4			



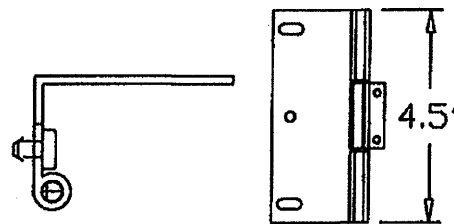
① **BARRIER RAIL**  
6063 T5 ALLOY



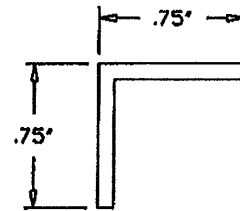
② **1 X 2 SUBFRAME**  
TYP. WALL = .060  
6063 T5 ALLOY



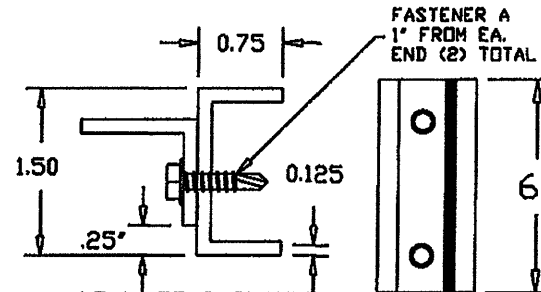
③ **1 X 2 OUTER FRAME**  
TYP. WALL = .080  
6063 T5 ALLOY



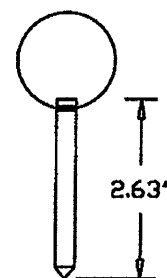
④ **HIDDEN HINGE**  
THICKNESS = .090  
304 STAINLESS STEEL



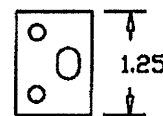
⑤ **CORNER KEY**  
TYP. WALL = .095  
6063 T5 ALLOY  
(INTERNAL PART)



⑥ **1.5 X .75 C-CHANNEL**  
1 X 1 ANGLE @ 6" LONG  
TYP. WALL .125  
6063 T5 ALLOY



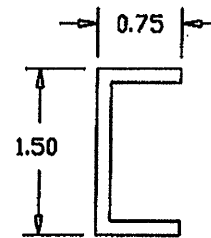
⑦ **SECURING PIN**  
TYP. DIA. .25"  
304 STAINLESS STEEL



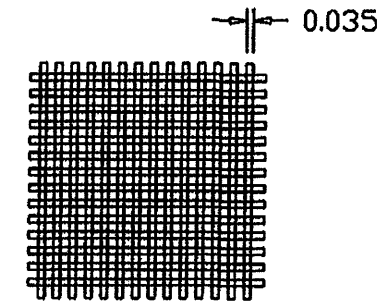
⑧ **PIN REINFORCEMENT**  
TYP. THK. .079  
304 STAINLESS STEEL  
"PIN LOCATOR"



⑨ **SED DEVICE**



⑩ **1.5 X .75 C-CHANNEL**  
TYP. WALL .125  
6063 T5 ALLOY



**WIRE MESH PATTERN:**  
12 X 12 MESH .035 WIRE  
FULL SCALE

**MATERIAL:**  
.035" (NOMINAL THICKNESS)  
304 STAINLESS STEEL  
WOVEN WIRE  
FINISHED WITH POLYESTER  
POWDER COAT.

**WITH THESE MIN. REQUIREMENTS**  
-TENSILE STRENGTH - 780-880n/mm2  
-ELONGATION - >=38%  
FINISHED WITH WEATHER  
RESISTANT, HIGH PERFORMANCE  
ELECTRO-STATIC APPLIED  
COATING.

CONSULTING ENGINEER  
THOMAS H. MAXWELL JR., P.E.  
121 N.W. 39 AVE.  
MIAMI, FLORIDA 33126  
(305) 541-7549

Board of Professional Engineers  
Exam: Mechanical-Structural: 1965  
State of Florida P.E. Registration  
No. 10150  
U.S. Army Corps of Engineers:  
Civil-Structural Engineer  
Florida Power & Light Company:  
Electrical Engineer

Approved as complying with the  
Florida Building Code  
Date 12/27/2012  
NOA# 12-1029-02  
Miami Dade Product Control

By [Signature]

[Signature]  
12-12-12

TITLE/CUSTOMER			
TYPICAL EXTRUSION DETAILS FOR WIRE MESH STORM SHIELD			
SCALE:	NTS	WWW.STORMSHIELD.NET	DRAWN BY: JKUSH
DATE:	12/12/12		REVISED 2
131 ALDEN ROAD NANTICOK, PA 18634			800-972-2478 FAX (570) 693-2575
PRODUCT CONTROL CODE:		DRAWING NO. SSHB-WM	
PAGE 4 OF 4			